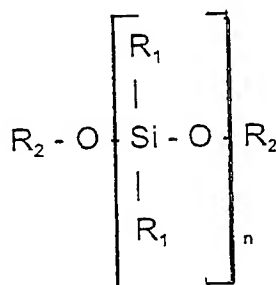


## CLAIMS

Sub B2  
5 1. A composition to be used in paints, characterized by comprising a resin constituent which includes

- i) a non-aromatic epoxy resin,  
ii) a polysiloxane having the formula:



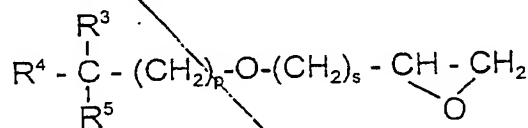
10 where  $R^1$  is a hydroxyl or an alkyl, aryl or alkoxy group having up to 6 carbon atoms,  $R^2$  is a hydrogen or an alkyl or aryl group having up to 6 carbon atoms and  $n$  is a number selected so that the molar mass of the polysiloxane is within the range of 400 to 2000, and

15 iii) an epoxy silane which acts as a crosslinking agent between the epoxy and siloxane chains.

20 2. A composition as claimed in claim 1, characterized in that the weight ratio between the epoxy silane, polysiloxane and non-aromatic epoxy resin is 1:2-5:2-5.

Sub A1  
3. A composition as claimed in claim 1 or 2, characterized in that the non-aromatic epoxy resin is a branched aliphatic epoxy resin.

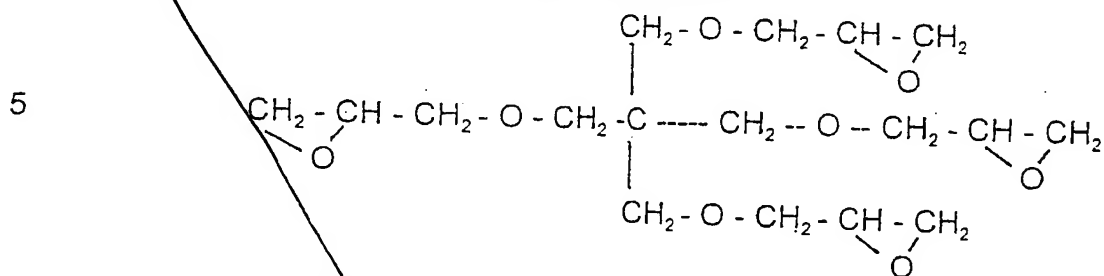
Sub B2  
25 4. A composition as claimed in claim 3, characterized in that the aliphatic epoxy resin has the formula



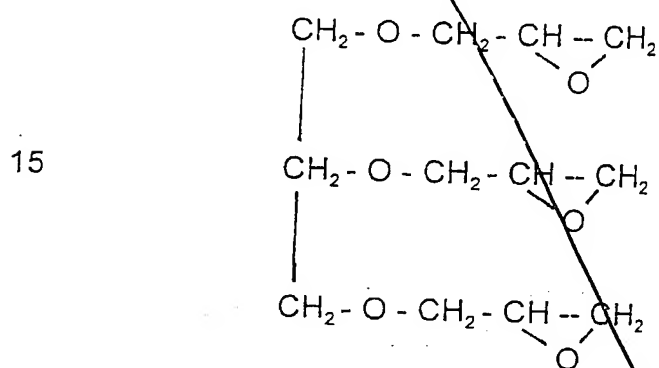
30 where  $p$  is an integer between 0 and 3,  $s$  is an integer between 1 and 3,  $R^3$  and  $R^4$  represent independently  $C_{1-6}$ alkyl or a group  $-(CH_2)_p - O - (CH_2)_s - \underset{\underset{O}{|}}{CH} - CH_2$ ,

where  $p$  and  $s$  are as defined above and  $R^5$  is hydrogen,  $C_{1-6}$ alkyl or a group  $-(CH_2)_p - O - (CH_2)_s - \underset{\underset{O}{|}}{CH} - CH_2$ , where  $p$  and  $s$  are as defined above.

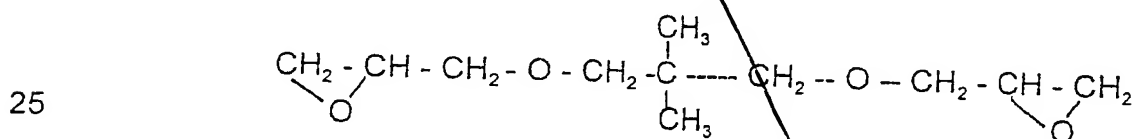
Sub B2  
5. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



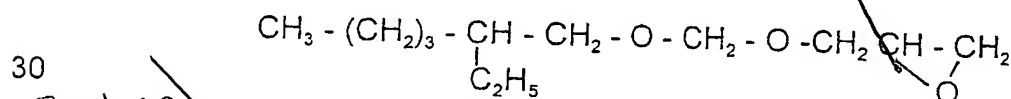
6. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



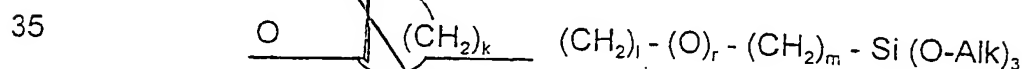
7. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



8. A composition as claimed in claim 4, **characterized** in that the aliphatic epoxy resin has the formula



Sub A2  
9. A composition as claimed in any one of claims 1 to 8, **characterized** in that the epoxy silane has the formula



12

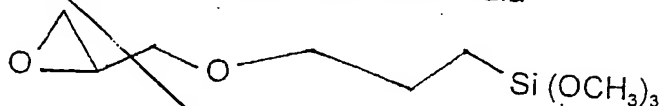
Sub H2  
cont.

where  $k$  is an integer between 0 and 4,  $r$  is 0 or 1,  $l$  is an integer between 1 and 6,  $m$  is an integer between 1 and 6 and Alk is an alkyl group having 1 to 6 carbon atoms.

Sub H3

5

10. A paint composition as claimed in claim 9, **character-**  
**ized** in that the epoxy silane has the formula



11. A paint composition as claimed in claim 9, **character-**  
**ized** in that the epoxy silane has the formula



Sub H3

15

12. A kit, **characterized** by comprising a container A, which  
contains a composition according to any one of claims 1 to 11, and a container  
B, which contains a hardener, whereby the container A and/or B may further  
contain conventional additives.

Adal A4